

WR-35  
Rev (5-01)

DATE: 05-01-09  
API #: 47-017-05814

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Dennis & Mellie Powell

Operator Well No.: Powell #7

LOCATION: Elevation: 805'

Quadrangle: Smithburg 7.5'

District: Grant

County: Doddridge

Latitude: 4,660 Feet South of  
Longitude 6,690 Feet West of

39 Deg. 17 Min. 30 Sec.  
80 Deg. 40 Min. 00 Sec.

Company: \_\_\_\_\_  
Tapo Energy, Inc.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address:				
P.O. Box 235 West Union, WV 26456	13 3/8			
Agent: Jerry Poling				
Inspector: David Scrannage /	9 5/8	465	465	400 sks
Date Permit Issued: 03/02/09				
Date Well Work Commenced: 03/19/09	6 5/8	1790	1790	300 sks
Date Well Work Completed: 03/26/09				
Verbal Plugging:	4 1/2	6534	6525	65 sks
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 6534				
Fresh Water Depth (ft.): 15'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				

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OPEN FLOW DATA

WV Department of  
Environmental Protection

Producing formation Marcellus Pay zone depth (ft) 6462-6518 ft.  
Gas: Initial open flow show MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 500 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 1000# psig (surface pressure) after 48 Hours

Second producing formation Pay zone depth (ft)  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

\* = commingled zones

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS,

Signed: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

WR-35  
Rev (9-11)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 11/13/2012

API #: 47-017-06026 D

Farm name: Dotson, Rendal J. & Sandra Operator Well No.: R. Swiger South Unit 2H

LOCATION: Elevation: 880' Quadrangle: Folsom 7.5'

District: McClellan County: Doddridge  
Latitude: 10388 Feet South of 39 Deg. 25 Min. 00 Sec.  
Longitude 11026 Feet West of 80 Deg. 32 Min. 30 Sec.

Company: Antero Resources Appalachian Corp

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1625 17th Street Denver, CO 80202	20" 94#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13 3/8" 48#	404'	404'	561 Cu. Ft. Class A
Inspector: Sam Ward	9 5/8" 36#	2,796'	2,796'	1138 Cu. Ft. Class A
Date Permit Issued: 6/6/2011, 1/26/2012 (Drill Deeper Permit)	5 1/2" 20#	15,246'	15,246'	3704 Cu. Ft. Class H
Date Well Work Commenced: 7/27/2011				
Date Well Work Completed: 6/9/2012	2 3/8 4.7#	7052'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7047' TVD (deepest point drilled)				
Total Measured Depth (ft): 15246' MD, 7047' TVD (BHL)				
Fresh Water Depth (ft.): 77'				
Salt Water Depth (ft.): est. 1018'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): est. 138', 253', 411', 482', 520'				
Void(s) encountered (N/Y) Depth(s) N, N/A				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6927' TVD (Top)

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow N/A E  
Final open flow 2669 MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests N/A Hours  
Static rock Pressure 3800 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Shawn De  
Signature

11/15/12  
Date

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ENVIRONMENTAL PROTECTION

Were core samples taken? Yes \_\_\_\_\_ No ☒

Were cuttings caught during drilling? Yes ☒ No \_\_\_\_\_

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list CBL

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-well pad (R. Swiger South Unit 1H API#47-017-05692). Please reference wireline logs submitted with Form WR-35 for R. Swiger South Unit 1H.

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7174'- 15,181' (1656 holes)

Frac'd w/ 12,000 gals 15% HCL Acid, 179,677 bbls Slick Water carrying 960,600# 100 mesh, 3,420,800# 40/70 and 1,899,600# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

Formations Encountered: <u>Surface:</u>	Top Depth	/	Bottom Depth
Big Lime	1,763'		1,845'
Big Injun	1,846'		2,294'
Gantz Sand	2,295'		2,415'
Fifty Foot Sand	2,416'		2,501'
Gordon	2,502'		2,808'
Fifth Sandstone	2,809'		2,846'
Bayard	2,847'		3,604'
Speechley	3,605'		4,056'
Balltown	4,057'		4,314'
Bradford	4,315'		4,789'
Benson	4,790'		5,142'
Alexander	5,143'		5,306'
Elk	5,307'		5,948'
Rhinestreet	5,949'		6,395'
Sycamore SS	6,396'		6,622'
Middlesex	6,623'		6,776'
Burket	6,777'		7,047' TVD
Tully	6,804'		6,881'
Hamilton	6,882'		6,926'
Marcellus	6,927'		7,047' TVD

WR-35  
Rev (9-11)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 11/13/2012  
API #: 47-017-06043

Farm name: Dotson, Rendal J. & Sandra Operator Well No.: R. Swiger South Unit 3H

LOCATION: Elevation: 880' Quadrangle: Folsom 7.5'

District: McClellan County: Doddridge  
Latitude: 10408 Feet South of 39 Deg. 25 Min. 00 Sec.  
Longitude 11026 Feet West of 80 Deg. 32 Min. 30 Sec.

Company: Antero Resources Appalachian Corp

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1625 17th Street				
Denver, CO 80202	20" 94#	42'	42'	40 Cu. Ft. Class A
Agent: CT Corporation System	13 3/8" 48#	440'	440'	611 Cu. Ft. Class A
Inspector: Sam Ward	9 5/8" 36#	2,800'	2,800'	1140 Cu. Ft. Class A
Date Permit Issued: 1/11/2012	5 1/2" 20#	14,186'	14,186'	3411 Cu. Ft. Class H
Date Well Work Commenced: 3/4/2012				
Date Well Work Completed: 5/23/2012	2 3/8" 4.7#	6864'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6901' TVD (deepest point drilled)				
Total Measured Depth (ft): 14186' MD, 6893' TVD (BHL)				
Fresh Water Depth (ft.): 42'				
Salt Water Depth (ft.): est. 745'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): est. 138', 253', 411', 482', 520'				
Void(s) encountered (N/Y) Depth(s) N, N/A				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Burkett Pay zone depth (ft) 6777' TVD (Top)

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 2205 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure 3800 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

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I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Shawna  
Signature

11/15/12  
Date

Were core samples taken? Yes \_\_\_\_\_ No X

Were cuttings caught during drilling? Yes \_\_\_\_\_ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list CBL

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-well pad (R. Swiger South Unit 1H API#47-017-05692). Please reference wireline logs submitted with Form WR-35 for R. Swiger South Unit 1H.

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 6,923'-14,122' (1444 holes)

Frac'd w/ 11,000 gals 15% HCL Acid, 157,806 bbls Slick Water carrying 775,900# 100 mesh, 3,497,400# 40/70 and 2,289,600# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
Big Lime (est.)	1,765'	1,841'
Big Injun (est.)	1,842'	2,302'
Gantz Sand (est.)	2,303'	2,416'
Fifty Foot Sand (est.)	2,417'	2,505'
Gordon(est.)	2,506'	2,826'
Fifth Sandstone (est.)	2,827'	2,850'
Bayard (est.)	2,851'	3,618'
Speechley (est.)	3,619'	4,047'
Balltown (est.)	4,048'	4,314'
Bradford (est.)	4,315'	4,786'
Benson (est.)	4,787'	5,138'
Alexander (est.)	5,139'	5,306'
Elk (est.)	5,307'	5,953'
Rhinestreet (est.)	5,954'	6,397'
Sycamore SS	6,396'	6,622'
Middlesex	6,623'	6,776'
Burket	6,777'	6,901' TVD

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

## Well Operator's Report of Well Work

Farm Name: **M. Randolph**Operator Well No. : **11224**LOCATION: Elevation: **1292'**Quadrangle: **Mount Clare 7.5'**District: **Grant**County: **Harrison**Latitude: **39.1300223** Feet South of **39**Deg. **10** Min. **00** Sec.Longitude: **80.3444437** Feet West of **80**Deg. **20** Min. **00** Sec.

Company: **Dominion Transmission Inc.**  
**445 West Main Street**  
**Clarksburg, WV 26301**

Casing  
&  
Tubing  
Size

Used  
In  
Drilling

Left  
In  
Well

Cement  
Fill Up  
Cu Ft

**13-3/8"****342'****342'****CTS****8 5/8"****1971'****1971'****CTS****4-1/2"****2414'**

**150 sks.**  
**CBL POZ**  
**TOC 1320'**

Agent: **James D. Blasingame**Inspector: **Tristan Jenkins**Permit Issued: **03/20/12**Well Work Commenced: **09/25/2012**Well Work Completed: **10/09/2012**Verbal Plugging **N/A**Permission granted on: **05/20/2012**Rotary Cable Rig **X**Total Depth (feet): **2414**Total Measured Depth (feet): **2400**Fresh water depths ( ft ) **Behind casing**Salt water depths ( ft ) **Behind casing**Is coal being mined in area ( Y / N )? **N**Coal Depths ( ft ): **N/A**Void(s) encountered (N/Y) Depth(s): **N/A**

## OPEN FLOW DATA

Producing formation **5<sup>th</sup> Sand**Pay zone depth ( ft ) **2300**Gas: Initial open flow **MCF / D**Oil: Initial open flow **N/A****Bbl / D**Final open flow **231 MCF / D**Oil: Final open flow **N/A****Bbl / D**Time of open flow between initial and final tests **24****Hours**Static rock pressure **150** psig ( surface pressure ) after **24****Hours**

Second producing formation

Pay zone depth ( ft )

Gas: Initial open flow **MCF / D**

Oil: Initial open flow

**Bbl / D**Final open flow **MCF / D**

Oil: Final open flow

**Bbl / D**

Time of open flow between initial and final tests

**Hours**Static rock pressure **psig ( surface pressure ) after****Hours**

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

  
Signature

**11/6/12**  
Date

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DTI Well # 11224 (47-033-00536)

Were core samples taken? Yes \_\_\_\_ No X      Were cuttings caught during drilling? Yes \_\_\_\_ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes

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**Perforated Intervals, Fracturing, or Stimulating:**

- 1) 5<sup>th</sup> Sand 2294'-2304' ( 20 holes) sand and water, 31,000# 20/40 sand, 410 bbl. water

**FORMATIONS Encountered:**

**Top Depth**      /      **Bottom Depth**

This was a rework on the well no drilling took place.

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State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 10/16/2012  
API #: 47-033-04927

Farm name: Diana Goff Cather - TRST Operator Well No.: Goff 42

LOCATION: Elevation: 1360' GL Quadrangle: Wolf Summit 7.5'

District: Coal County: Harrison  
Latitude: 3,150 Feet South of 39 Deg. 17 Min. 30 Sec.  
Longitude 3,550 Feet West of 80 Deg. 20 Min. 30 Sec.

Company: Petroleum Development Corporation

Address: <u>120 Genesis Boulevard</u>	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>Bridgeport, WV 26330</u>	<u>13 3/8"</u>	<u>22'</u>	<u>22'</u>	<u>Sanded In</u>
Agent: <u>Bob Williamson</u>	<u>9 5/8"</u>	<u>276'</u>	<u>276'</u>	<u>139</u>
Inspector: <u>Tim Bennett</u>	<u>7"</u>	<u>1161'</u>	<u>1161'</u>	<u>347</u>
Date Permit Issued: <u>09/10/2007</u>	<u>4 1/2"</u>	<u>4833'</u>	<u>4833'</u>	<u>368</u>
Date Well Work Commenced: <u>08/25/2009</u>				
Date Well Work Completed: <u>08/27/2009</u>				
Verbal Plugging: <u>N/A</u>				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): <u>5225'</u>				
Total Measured Depth (ft): <u>5225'</u>				
Fresh Water Depth (ft.): <u>35', 420', 890'</u>				
Salt Water Depth (ft.): <u>None Reported</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>480', 930'</u>				
Void(s) encountered (N/Y) Depth(s) <u>234' -244'</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation 4th Sand Pay zone depth (ft) 2482'

Gas: Initial open flow TSTM MCF/d Oil: Initial open flow --- Bbl/d

Final open flow 60 MCF/d Final open flow --- Bbl/d

Time of open flow between initial and final tests 48 Hours

Static rock Pressure NT psig (surface pressure) after --- Hours

Second producing formation Gordon (comingled) Pay zone depth (ft) 2286'

Gas: Initial open flow --- MCF/d Oil: Initial open flow --- Bbl/d

Final open flow --- MCF/d Final open flow --- Bbl/d

Time of open flow between initial and final tests --- Hours

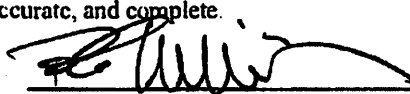
Static rock Pressure --- psig (surface pressure) after --- Hours

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**Environmental Protection**

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

  
Signature

11/15/2012  
Date



Were core samples taken? Yes \_\_\_\_\_ No XX

Were cuttings caught during drilling? Yes \_\_\_\_\_ No XX

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list JW Wireline GR/CCL log from 2640' to 2100'.

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

2009/08/25: MIRU Weatherford Fracturing Technologies crew and JW Wireline Company. Pressure tested casing and ran a correlation log.

Set a composite bridge plug @ 2569'. Perf 4th Sand at 2482-2542 w/22 holes. RU Weatherford & pump 12 bbls 15% HCl ahead of an N2 assist

linear AquaFrac w/ 50,255 lbs of 30/50 sand, 156,420 SCF N2, & 487 bbls treated fluid. Break at 1,775psi & avg treating foam rate was 19.9 BPM

& ATP was 2,377 psi. Drop 12 bbls 28% HCL. ISIP = 1,714 psi. Set composite flow through frac plug @ 2320'. Perf Gordon at 2286-2286 w/20 holes.

RU Weatherford & pump an N2 assist linear AquaFrac w/ 31,658 lbs of 30/50 sand, 132,915 SCF N2, & 479 bbls treated fluid.

Break at 2,420 psi & avg. treating foam rate was 20.2 BPM & ATP was 2,750 psi. ISIP = 1,926 psi. RDMO Weatherford.

Plug Back Details Including Plug Type and Depth(s):

Comp. Bridge Plug @ 2569' & Comp. Flow Thru Frac Plug @ 2320'. Both drilled out & hole cleaned to original TD @ 4705'.

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			

See Attached WR-35 & "Well Log" from original completion of this well (47-033-04927).

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NOV 15 2012

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**Environmental Protection**

WR-35  
Rev (9-11)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 11/15/2012  
API #: 47-033-05243-~~DD~~

Farm name: Johnson Family Trust Operator Well No.: Morgan Unit 1H

LOCATION: Elevation: 1121' Quadrangle: Salem

District: Tennile County: Harrison  
Latitude: 2149 Feet South of 39 Deg. 22 Min. 30 Sec.  
Longitude: 17283 Feet West of 80 Deg. 32 Min. 30 Sec.

Company: Antero Resources Appalachian Corp

Address: <u>1625 17th Street</u>	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>Denver, CO 80202</u>	<u>20" 94#</u>	<u>40'</u>	<u>40'</u>	<u>38 Cu. Ft. Class A</u>
Agent: <u>CT Corporation System</u>	<u>13-3/8" 55#</u>	<u>394'</u>	<u>394'</u>	<u>647 Cu. Ft. Class A</u>
Inspector: <u>Tristan Jenkins</u>	<u>9 5/8" 36#</u>	<u>2,360'</u>	<u>2,360'</u>	<u>981 Cu. Ft. Class A</u>
Date Permit Issued: <u>6/12/2009, 2/21/2012 (Drill Deeper)</u>	<u>5 1/2" 20#</u>	<u>11,779'</u>	<u>11,779'</u>	<u>2883 Cu. Ft. Class A</u>
Date Well Work Commenced: <u>6/30/2010</u>				
Date Well Work Completed: <u>5/2/2012</u>	<u>2 3/8" 4.7#</u>	<u>7,642'</u>		
Verbal Plugging: <u>N/A</u>				
Date Permission granted on: <u>N/A</u>				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7,413'</u>				
Total Measured Depth (ft): <u>11,779' MD, 7,346' TVD (BHL)</u>				
Fresh Water Depth (ft.): <u>40'</u>			<u>NOV 20 2012</u>	
Salt Water Depth (ft.): <u>est. 1915'</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>949'</u>				
Void(s) encountered (N/Y) Depth(s) <u>N, N/A</u>				

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Office of Oil & Gas

WV Department of  
Environmental Protection

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7,392' TVD (Top)

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 6034 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure 3800 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Shirley Peck  
Signature

11/20/12  
Date

Were core samples taken? Yes \_\_\_\_\_ No **X**

Were cuttings caught during drilling? Yes \_\_\_\_\_ No **X**

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list **Yes, CBL**

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-pad (Bailey Unit 2H AP# 47-033-05327). Please reference wireline logs submitted with Form WR-35 for Bailey Unit 2H.

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

**Perforations: 7,793' - 11,713' (864 holes)**

**Frac'd w/ 6,500 gals 15% HCL Acid, 109,557 bbls Slick Water carrying 522,238# 100 mesh, 2,439,780# 40/70 and 1,657,020# 20/40 sand.**

**Plug Back Details Including Plug Type and Depth(s): N/A**

<b>Formations Encountered:</b>	<b>Top Depth</b>	<b>Bottom Depth</b>
<b>Surface:</b>		
Big Lime	2,153'	2,192'
Big Injun	2,193'	2,617'
Gantz Sand	2,618'	2,745'
Fifty Foot Sand	2,746'	2,846'
Gordon	2,847'	3,187'
Fifth Sandstone	3,188'	3,962'
Speechley	3,963'	4,274'
Balltown	4,275'	4,610'
Bradford	4,611'	5,145'
Benson	5,146'	5,424'
Alexander	5,425'	5,631'
Elk	5,632'	6,259'
Rhinestreet	6,260'	6,813'
Sycamore SS	6,814'	7,067'
Sonyea	7,068'	7,228'
Burket	7,229'	7,251'
Tully	7,252'	7,341'
Hamilton	7,342'	7,391'
Marcellus	7,392'	7,413' TVD

WR-35  
Rev (9-11)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 11/12/12  
API #: 47-033-05450

Farm name: I.L. Morris & Mike Ross, Inc. Operator Well No.: Reynolds Unit 2H

LOCATION: Elevation: 1169' Quadrangle: Wolf Summit

District: Coal County: Harrison  
Latitude: 3603' Feet South of 39 Deg. 20 Min. 00 Sec.  
Longitude 10,926' Feet West of 80 Deg. 25 Min. 00 Sec.

Company: Antero Resources Appalachian Corp.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1625 17th Street Denver, CO 80202	20" 94#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 55#	496'	496'	689 Cu. Ft. Class A
Inspector: Tristan Jenkins	9-5/8" 36#	2529'	2529'	1030 Cu. Ft. Class A
Date Permit Issued: 7/22/2010	5-1/2" 20#	14,096'	14,096'	3470 Cu. Ft. Class H
Date Well Work Commenced: 12/22/2010				
Date Well Work Completed: 5/09/2011	2-3/8" 4.7#	7131'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7063' TVD (deepest point drilled)				
Total Measured Depth (ft): 14,109' MD, 6892' TVD (BHL)				
Fresh Water Depth (ft.): N/A				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				
Void(s) encountered (N/Y) Depth(s) N, N/A				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7025' TVD (Top)

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow 10,716 MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure 3800 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

*Risa Bohmel*  
Signature

11/13/12  
Date

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Were core samples taken? Yes \_\_\_\_\_ No X

Were cuttings caught during drilling? Yes \_\_\_\_\_ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes, CBL.

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-pad (Reynolds Unit 1H API# 47-033-05450). Please reference wireline logs submitted with Form WR-35 for Reynolds Unit 1H.

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7163' – 14,030' MD (1152 holes)

Frac'd w/ 5,000 gals 15% HCL Acid, 116,151 bbls Slick Water carrying 537,000# 100 mesh,  
2,500,800# 40/70 and 1,583,600# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered:	Top Depth	/	Bottom Depth
<u>Surface:</u>			
Big Lime	1,448'		1,529'
Big Injun	1,530'		1,907'
Gantz Sand	1,908'		2,018'
Fifty Foot Sand	2,019'		2,160'
Gordon	2,161'		2,431'
Fifth Sandstone	2,432'		3,122'
Speechley	3,123'		3,335'
Balltown	3,336'		3,850'
Bradford	3,851'		4,461'
Benson	4,462'		4,806'
Alexander	4,807'		5,037'
Elk	5,038'		5,644'
Rhinestreet	5,645'		6,355'
Sycamore	6,355'		6,632'
Sycamore Shale	6,633'		6,823'
Tully	6,824'		6,948'
Hamilton	6,949'		7,024'
Marcellus	7,025'		7,063' TVD

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State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 11/13/2012  
API #: 47-033-05472

Farm name: I.L. Morris & Mike Ross, Inc. Operator Well No.: Alfred Unit 1H

LOCATION: Elevation: 1142' Quadrangle: Wolf Summit

District: Coal County: Harrison  
Latitude: 4794' Feet South of 39 Deg. 20 Min. 00 Sec.  
Longitude: 11,250' Feet West of 80 Deg. 25 Min. 00 Sec.

Company: Antero Resources Appalachian Corp.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1625 17th Street				
Denver, CO 80202	20" 94#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 55#	484'	484'	672 Cu. Ft. Class A
Inspector: Tristan Jenkins	9-5/8" 36#	2468'	2468'	1005 Cu. Ft. Class A
Date Permit Issued: 9/01/2010	5-1/2" 20#	15,491'	15,491'	3883 Cu. Ft. Class H
Date Well Work Commenced: 3/20/2011				
Date Well Work Completed: 7/15/2011	2-3/8" 4.7#	7217'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7063' TVD (deepest point drilled)				
Total Measured Depth (ft): 15,527' MD, 7063' TVD (BHL)				
Fresh Water Depth (ft.): 40'				
Salt Water Depth (ft.): 945', 1695', 1710', 1845'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): Deepest known coal seam mined at surface				
Void(s) encountered (N/Y) Depth(s) N, N/A				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7038' TVD (Top)

Gas: Initial open flow MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 15,983 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure 3300 psig (surface pressure) after Hours

Second producing formation Pay zone depth (ft)

Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d

Final open flow MCF/d Final open flow Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure psig (surface pressure) after Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

Shawn Pedica  
Signature

11/15/12  
Date

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Were core samples taken? Yes \_\_\_\_\_ No ☒

Were cuttings caught during drilling? Yes \_\_\_\_\_ No ☒

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes, CBL, Gamma Ray/CCL Log,  
Photo Density/Compensated Neutron/Gamma Ray and Dual Laterlog/Gamma Ray

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7504' – 15,433' MD (1428 holes)

Frac'd w/ 5,750 gals 15% HCL Acid, 136,874 bbls Slick Water carrying 604,100# 100 mesh,  
2,820,300# 40/70 and 1,769,800# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s):

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
Big Lime	1,461'	1530'
Big Injun	1,531'	1918'
Gantz Sand	1,919'	2024'
Fifty Foot Sand	2,025'	2179'
Gordon	2,180'	2440'
Fifth Sandstone	2,441'	3134'
Speechley	3,135'	3350'
Balltown	3,351'	3854'
Bradford	3,855'	4472'
Benson	4,473'	4771'
Alexander	4,772'	4972'
Elk	4,973'	5720'
Rhinstreet	5,721'	6353'
Sycamore SS	6,354'	6627'
Sonyea	6,628'	6809'
Burket	6,810'	6829'
Tully	6,830'	6959'
Hamilton	6,960'	7015'
Cherry Valley	7,016'	7037'
Marcellus	7,038'	7,063' TVD

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Rev (9-11)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 11/13/2012  
API #: 47-033-05473

Farm name: I.L. Morris & Mike Ross, Inc. Operator Well No.: Alfred Unit 2H

LOCATION: Elevation: 1142' Quadrangle: Wolf Summit

District: Coal County: Harrison  
Latitude: 4810' Feet South of 39 Deg. 20 Min. 00 Sec.  
Longitude: 11.238' Feet West of 80 Deg. 25 Min. 00 Sec.

Company: Antero Resources Appalachian Corp.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1625 17th Street Denver, CO 80202	20" 94#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 55#	496'	496'	689 Cu. Ft. Class A
Inspector: Tristan Jenkins	9-5/8" 36#	2404'	2404'	979 Cu. Ft. Class A
Date Permit Issued: 9/01/2010	5-1/2" 20#	15,362'	15,362'	3855 Cu. Ft. Class H
Date Well Work Commenced: 3/20/2011				
Date Well Work Completed: 7/09/2011	2-3/8" 4.7#	7139'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7053' TVD (deepest point drilled)				
Total Measured Depth (ft): 15,362' MD, 7053' TVD (BHL)				
Fresh Water Depth (ft.): 40'				
Salt Water Depth (ft.): 945'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): Deepest known coal seam mined at surface				
Void(s) encountered (N/Y) Depth(s) N, N/A				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7027' TVD (Top)

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 12,246 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure 3300 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

  
Signature

11/15/12  
Date

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Were core samples taken? Yes \_\_\_\_\_ No X

Were cuttings caught during drilling? Yes \_\_\_\_\_ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list CBL

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-pad (Alfred Unit 1H API# 47-033-05472). Please reference wireline logs submitted with Form WR-35 for Alfred Unit 1H.

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7687' – 15,294' MD (1368 holes)

Frac'd w/ 6,000 gals 15% HCL Acid, 140,905 bbls Slick Water carrying 646,400# 100 mesh,  
2,844,000# 40/70 and 1,875,700# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered:	Top Depth	/	Bottom Depth
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Surface:

Big Lime	1,449'		1,530'
Big Injun	1,531'		1,896'
Gantz Sand	1,897'		1,996'
Fifty Foot Sand	1997'		2,154'
Gordon	2,155'		2,414'
Fifth Sandstone	2,415'		3,105'
Speechley	3,106'		3,325'
Balltown	3,326'		3,829'
Bradford	3,830'		4,442'
Benson	4,443'		4,737'
Alexander	4,738'		4,959'
Elk	4,960'		5,720'
Rhinestreet	5,721'		6,330'
Sycamore SS	6,331'		6,628'
Sonyea	6,629'		6,808'
Burket	6,809'		6,826'
Tully	6,827'		6,951'
Hamilton	6,952'		7,026'
Marcellus	7,027'		7,053' TVD

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Rev (9-11)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 11/8/2012  
API #: 47-033-05475

Farm name: Rossco Limited Liability CC Operator Well No.: Strother Unit 1H

LOCATION: Elevation: 1179' Quadrangle: Wolf Summit

District: Sardis County: Harrison  
Latitude: 11.142° Feet South of 39 Deg. 20 Min. 00 Sec.  
Longitude 6.596° Feet West of 80 Deg. 22 Min. 30 Sec.

Company: Antero Resources Appalachian Corp

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>1625 17th Street</u>				
<u>Denver, CO 80202</u>	<u>20" 94#</u>	<u>40'</u>	<u>40'</u>	<u>38 Cu. Ft. Class A</u>
Agent: <u>CT Corporation System</u>	<u>13-3/8" 54.5#</u>	<u>498'</u>	<u>498'</u>	<u>690 Cu. Ft. Class A</u>
Inspector: <u>Tristan Jenkins</u>	<u>9-5/8" 36#</u>	<u>2424'</u>	<u>2424'</u>	<u>1567 Cu. Ft. Class A</u>
Date Permit Issued: <u>9/9/2010</u>	<u>5-1/2" 20#</u>	<u>13820'</u>	<u>13820'</u>	<u>3425 Cu. Ft. Class H</u>
Date Well Work Commenced: <u>9/12/2011</u>				
Date Well Work Completed: <u>1/30/2012</u>	<u>2-3/8" 4.7#</u>	<u>7192'</u>		
Verbal Plugging: <u>N/A</u>				
Date Permission granted on: <u>N/A</u>				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7077' TVD (deepest point drilled)</u>				
Total Measured Depth (ft): <u>13820' MD, 7146' TVD (BHL)</u>				
Fresh Water Depth (ft.): <u>40'</u>				
Salt Water Depth (ft.): <u>1433'</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>Deepest known coal seam mined at surface</u>				
Void(s) encountered (N/Y) Depth(s) <u>N, N/A</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7006' TVD (Top)

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 8901 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure 3300 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Lisa Bortonelei  
Signature

11/13/12  
Date

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Were core samples taken? Yes \_\_\_\_\_ No X

Were cuttings caught during drilling? Yes X No \_\_\_\_\_

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes - CBL, Dual Laterolog/Gamma Ray, and Photo Density/Compensated Neutron/Gamma Ray.

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7200' - 13753' MD (1308 holes)

Frac'd w/ 9,500 gals 15% HCL Acid, 153,998 bbls Slick Water carrying 767,900# 100 mesh, 3,454,800# 40/70 and 2,198,800# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
Big Lime	1,411'	1,495'
Big Injun	1,496'	1,901'
Gantz	1,902'	1,981'
Fifty Foot Sand	1,982'	2,182'
Gordon	2,183'	2,429'
Fifth Sandstone	2,430'	2,466'
Bayard	2,467'	3,120'
Speechley	3,121'	3,357'
Balltown	3,358'	3,935'
Bradford	3,935'	4,563'
Benson	4,564'	4,882'
Alexander	4,883'	5,092'
Elk	5,093'	5,763'
Rhinestreet	5,764'	6,346'
Sycamore	6,347'	6,619'
Sycamore Shale	6,620'	6,771'
Burkett	6,772'	6,792'
Tully	6,793'	6,924'
Hamilton	6,925'	7,005'
Marcellus	7,006'	7,017'
Purcell	7,018'	7,044'
Cherry Valley	7,045'	7,071'
Onondoga	7,072'	7077' TVD

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Rev (9-11)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 11/15/2012  
API #: 47-033-05518

Farm name: Posey, Larry L. & Martha V. Operator Well No.: RR Unit 1H

LOCATION: Elevation: 1107' Quadrangle: Clarksburg

District: Coal County: Harrison  
Latitude: 11.855 Feet South of 39 Deg. 20 Min. 00 Sec.  
Longitude: 10.394 Feet West of 80 Deg. 20 Min. 00 Sec.

Company: Antero Resources Appalachian Corp

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1625 17th Street Denver, CO 80202	20" 65.6#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 68#	522'	522'	740 Cu. Ft. Class A
Inspector: Tristan Jenkins	9-5/8" 36#	2464'	2464'	1009 Cu. Ft. Class A
Date Permit Issued: 10/20/2011	5-1/2" 20#	16,294'	16,294'	4107 Cu. Ft. Class H
Date Well Work Commenced: 10/21/2011				
Date Well Work Completed: 03/25/2012	2-3/8" 4.7#	7050'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7,097' TVD				
Total Measured Depth (ft): 16,295' MD, 6,952' TVD (BHL)				
Fresh Water Depth (ft.): 50', 120'				
Salt Water Depth (ft.): 2405'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): Pad built on deepest coal seam.				
Void(s) encountered (N/Y) Depth(s) N, N/A				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7,062' TVD (Top)

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 9,460 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure 3300 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

Lisa B. Humelei  
Signature

11/16/12  
Date

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Were core samples taken? Yes \_\_\_\_\_ No X

Were cuttings caught during drilling? Yes \_\_\_\_\_ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes- CBL

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-pad (Coly Unit 1H API# 47-033-05538). Please reference wireline logs submitted with Form WR-35 for Colly Unit 1H.

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7875' - 16,226' MD (1584 holes)

Frac'd w/ 11,500 gals 15% HCL Acid, 171,382bbls Slick Water carrying 807,600# 100 mesh,  
3,627,800# 40/70 and 2,220,200# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
Big Lime	1,385'	1,501'
Big Injun	1,502'	1,873'
Gantz Sand	1,874'	1,958'
Fifty Foot Sandstone	1,959'	2,151'
Gordon	2,152'	2,393'
Fifth Sandstone	2,394'	2,453'
Bayard	2,454'	3,080'
Speechley	3,081'	3,299'
Balltown	3,300'	3,766'
Bradford	3,767'	4,434'
Benson	4,435'	4,721'
Alexander	4,722'	4,952'
Elk	4,953'	6,222'
Sycamore	6,223'	6,560'
Middlesex	6,561'	6,717'
Genundewa	6,718'	6,751'
Burket	6,752'	6,787'
Tully	6,788'	6,937'
Hamilton	6,938'	7,061'
Marcellus	7,062'	7,077'
Onondaga	7,078'	7,097'

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WR-35  
Rev (9-11)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 11/8/2012  
API #: 47-033-05544

Farm name: Phillips, Donald L. & Mary V. Operator Well No.: Warren Unit 1H

LOCATION: Elevation: 1058' Quadrangle: Clarksburg

District: Eagle County: Harrison  
Latitude: 10.875' Feet South of 39 Deg. 20 Min. 00 Sec.  
Longitude 2.825' Feet West of 80 Deg. 20 Min. 00 Sec.

Company: Antero Resources Appalachian Corp.

Address: <u>1625 17th Street</u>	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>Denver, CO 80202</u>	<u>20" 94#</u>	<u>40'</u>	<u>40'</u>	<u>38 Cu. Ft. Class A</u>
Agent: <u>CT Corporation System</u>	<u>13-3/8" 48#</u>	<u>503'</u>	<u>503'</u>	<u>699 Cu. Ft. Class A</u>
Inspector: <u>Tristan Jenkins</u>	<u>9-5/8" 36#</u>	<u>2447'</u>	<u>2447'</u>	<u>996 Cu. Ft. Class A</u>
Date Permit Issued: <u>5/17/2011</u>	<u>5-1/2" 20#</u>	<u>14,566'</u>	<u>14,566'</u>	<u>3623 Cu. Ft. Class H</u>
Date Well Work Commenced: <u>10/14/2011</u>				
Date Well Work Completed: <u>8/1/2012</u>	<u>2-3/8" 4.6#</u>	<u>7086'</u>		
Verbal Plugging: <u>N/A</u>				
Date Permission granted on: <u>N/A</u>				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7228' TVD (deepest point drilled)</u>				
Total Measured Depth (ft): <u>14,566' MD, 7200' TVD (BHL)</u>				
Fresh Water Depth (ft.): <u>40'</u>				
Salt Water Depth (ft.): <u>1310'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>Deepest known coal seam eroded at surface</u>				
Void(s) encountered (N/Y) Depth(s) <u>N, N/A</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6925' TVD (Top)

Gas: Initial open flow        MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 5,194 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure 3300 psig (surface pressure) after        Hours

Second producing formation        Pay zone depth (ft)       

Gas: Initial open flow        MCF/d Oil: Initial open flow        Bbl/d

Final open flow        MCF/d Final open flow        Bbl/d

Time of open flow between initial and final tests        Hours

Static rock Pressure        psig (surface pressure) after        Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Risa Borhulci  
Signature

11/13/12  
Date

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Were core samples taken? Yes \_\_\_\_\_ No ☒

Were cuttings caught during drilling? Yes \_\_\_\_\_ No ☒

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes, CBL.

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-pad (Wheaton Unit 2H AP# 47-033-05546). Please reference wireline logs submitted with Form WR-35 for Wheaton Unit 2H.

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7117' – 14,500' MD (1200 holes)

Frac'd w/ 8,500 gals 15% HCL Acid, 118,015 bbls Slick Water carrying 636,220# 100 mesh,  
2,426,049# 40/70 and 1,504,120# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s):

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
Silt/Sand/Shale	0'	3,041'
Speechley	3,042'	3,254'
Balltown	3,255'	3,732'
Bradford	3,733'	4,443'
Benson	4,444'	4,706'
Alexander	4,707'	4,939'
Elk	4,940'	5,555'
Rhinestreet	5,556'	6,202'
Sycamore	6,203'	6,665'
Burkett	6,666'	6,697'
Tully	6,698'	6,826'
Hamilton	6,827'	6,924'
Marcellus	6,925'	6,938'
Ononadaga	7,224'	7,228' TVD

WR-35  
Rev (9-11)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 11/8/2012  
API #: 47-033-05545

Farm name: Phillips, Donald L. & Mary V. Operator Well No.: Warren Unit 2H

LOCATION: Elevation: 1058' Quadrangle: Clarksburg

District: Eagle County: Harrison  
Latitude: 10.866° Feet South of 39 Deg. 20 Min. 00 Sec.  
Longitude 2.821° Feet West of 80 Deg. 20 Min. 00 Sec.

Company: Antero Resources Appalachian Corp.

Address: <u>1625 17th Street</u>	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>Denver, CO 80202</u>	<u>20" 94#</u>	<u>40'</u>	<u>40'</u>	<u>38 Cu. Ft. Class A</u>
Agent: <u>CT Corporation System</u>	<u>13-3/8" 48#</u>	<u>504'</u>	<u>504'</u>	<u>700 Cu. Ft. Class A</u>
Inspector: <u>Tristan Jenkins</u>	<u>9-5/8" 36#</u>	<u>2425'</u>	<u>2425'</u>	<u>987 Cu. Ft. Class A</u>
Date Permit Issued: <u>5/18/2011</u>	<u>5-1/2" 20#</u>	<u>14,106'</u>	<u>14,106'</u>	<u>3503 Cu. Ft. Class H</u>
Date Well Work Commenced: <u>10/15/2011</u>				
Date Well Work Completed: <u>8/7/2012</u>	<u>2-3/8" 4.6#</u>	<u>7170'</u>		
Verbal Plugging: <u>N/A</u>				
Date Permission granted on: <u>N/A</u>				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7237' TVD (deepest point drilled)</u>				
Total Measured Depth (ft): <u>14,106' MD, 7224' TVD (BHL)</u>				
Fresh Water Depth (ft.): <u>40'</u>				
Salt Water Depth (ft.): <u>1310'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>Deepest known coal seam eroded at surface</u>				
Void(s) encountered (N/Y) Depth(s) <u>N, N/A</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6959' TVD (Top)

Gas: Initial open flow ----- MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 6,407 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure 3300 psig (surface pressure) after ----- Hours

Second producing formation ----- Pay zone depth (ft) -----

Gas: Initial open flow ----- MCF/d Oil: Initial open flow ----- Bbl/d

Final open flow ----- MCF/d Final open flow ----- Bbl/d

Time of open flow between initial and final tests ----- Hours

Static rock Pressure ----- psig (surface pressure) after ----- Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Lisa Boffa  
Signature

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Date

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Were core samples taken? Yes \_\_\_\_\_ No X

Were cuttings caught during drilling? Yes X No \_\_\_\_\_

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes, CBL.

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-pad (Wheaton Unit 2H AP# 47-033-05546). Please reference wireline logs submitted with Form WR-35 for Wheaton Unit 2H.

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7191' – 14,041' MD (1344 holes)

Frac'd w/ 10,000 gals 15% HCL Acid, 142,539 bbls Slick Water carrying 765,160# 100 mesh,  
2,890,137# 40/70 and 1,694,826# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s):

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
Silt/Sand/Shale	0'	3,690'
Bradford	3,691'	4,382'
Benson	4,383'	4,693'
Alexander	4,694'	4,935'
Elk	4,936'	5,563'
Rhinestreet	5,564'	6,212'
Sycamore	6,213'	6,679'
Burkett	6,680'	6,715'
Tully	6,716'	6,852'
Hamilton	6,853'	6,958'
Marcellus	6,959'	7,237' TVD

WR-35  
Rev (9-11)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 11/15/2012  
API #: 47-033-05546

Farm name: Phillips, Donald L. & Mary V. Operator Well No.: Wheaton Unit 2H

LOCATION: Elevation: 1058' Quadrangle: Clarksburg

District: Eagle County: Harrison  
Latitude: 10,857 Feet South of 39 Deg. 20 Min. 00 Sec.  
Longitude: 2817 Feet West of 80 Deg. 20 Min. 00 Sec.

Company: Antero Resources Appalachian Corp

Address: 1625 17th Street	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Denver, CO 80202	20" 94#	40'	40'	38 Cu. Ft Class A
Agent: CT Corporation System	13-3/8" 54.5#	480'	480'	667 Cu. Ft. Class A
Inspector: Tristan Jenkins	9-5/8" 36#	2424'	2424'	996 Cu. Ft. Class A
Date Permit Issued: 5/17/2011	5-1/2" 20#	15,163'	15,163'	3794 Cu. Ft. Class H
Date Well Work Commenced: 10/14/2011				
Date Well Work Completed: 4/4/2012	2-3/8" 4.7#	6923'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7,219' TVD				
Total Measured Depth (ft): 15,163' MD, 7,209' TVD (BHL)				
Fresh Water Depth (ft.): 20', 40'				
Salt Water Depth (ft.): 802'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): The deepest coal layer is above the pad.				
Void(s) encountered (N/Y) Depth(s) No, N/A				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6,905' TVD (Top)

Gas: Initial open flow MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 8,039 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure 3300 psig (surface pressure) after Hours

Second producing formation Pay zone depth (ft)

Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d

Final open flow MCF/d Final open flow Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure psig (surface pressure) after Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

*Lisa B. Huiler*  
Signature

11/16/12  
Date

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ENVIRONMENTAL PROTECTION

Were core samples taken? Yes ☒ No ☐

Were cuttings caught during drilling? Yes ☒ No ☐

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes - CBL, Dual Laterolog/Gamma Ray & Photo Density/Compensated Neutron/Gamma Ray.

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7227'-15,097' MD (1656 holes)

Frac'd w/ 12,000 gals 15% HCL Acid, 169,878 bbls Slick Water carrying 794,880# 100 mesh, 3,553,834 # 40/70 and 2,419,418# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

Formations Encountered:	Top Depth	/	Bottom Depth
<u>Surface:</u>			
Big Lime	1,366'		1,469'
Big Injun	1,470'		1,856'
Gantz Sand	1,857'		1,940'
Fifty Foot Ss	1,941'		2,113'
Gordon	2,114'		2,386'
Fifth Ss	2,387'		2,787'
Warren Transgressive	2,788'		3,071'
Speechly	3,072'		3,272'
Balltown	3,273'		3,742'
Bradford	3,743'		4,413'
Benson	4,414'		4,707'
Alexander	4,708'		4,919'
Elk	4,920'		5,450'
Rhinestreet	5,451'		6,219'
Sycamore Ss	6,220'		6,487'
Sonyea	6,488'		6,648'
Burket	6,649'		6,684'
Tully	6,685'		6,812'
Hamilton	6,813'		6,904'
Marcellus	6,905'		6,916'
Purcell	6,917'		6,940'
Cherry Valley	6,941'		7,215'
Onondaga	7,216'		7,219' TVD

WR-35  
Rev (9-11)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 11/8/2012  
API #: 47-033-05549 - D

Farm name: Williams, Edgar - Estate Operator Well No.: Williams Unit 1H  
LOCATION: Elevation: 1191' Quadrangle: Wolf Summit  
District: Coal County: Harrison  
Latitude: 8728' Feet South of 39 Deg. 20 Min. 00 Sec.  
Longitude 9173' Feet West of 80 Deg. 22 Min. 30 Sec.

Company: Antero Resources Appalachian Corp.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1625 17th Street				
Denver, CO 80202	20" 94#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 55#	476'	476'	661 Cu. Ft. Class A
Inspector: Tristan Jenkins	9-5/8" 36#	2620'	2620'	1067 Cu. Ft. Class A
Date Permit Issued: 5/24/2011	5-1/2" 20#	17,129'	17,129'	4275 Cu. Ft. Class H
Date Well Work Commenced: 6/4/2011				
Date Well Work Completed: 8/5/2012	2-3/8" 4.6#	7117'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7049' TVD (deepest point drilled)				
Total Measured Depth (ft): 17,129' MD, 7049' TVD (BHL)				
Fresh Water Depth (ft.): 153'				
Salt Water Depth (ft.): 1030'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): Deepest known coal seam mined at surface				
Void(s) encountered (N/Y) Depth(s) N, N/A				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6972' TVD (Top)

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 8,881 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure 3300 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

Lisa B. Bielecki  
Signature

11/13/12  
Date

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Were core samples taken? Yes \_\_\_\_\_ No X

Were cuttings caught during drilling? Yes \_\_\_\_\_ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes, CBL.

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-pad (Southern Unit 2H API# 47-033-05363). Please reference wireline logs submitted with Form WR-35 for Southern Unit 2H.

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7127' – 16,798' MD (1884 holes)

Frac'd w/ 14,008 gals 15% HCL Acid, 206,991 bbls Slick Water carrying 1,114,000# 100 mesh, 4,132,200# 40/70 and 2,565,500# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s):

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
Big Lime	1,402'	1,494'
Big Injun	1,495'	1,907'
Gantz Sand	1,908'	1,964'
Fifty Foot Sand	1,965'	2,162'
Gordon	2,163'	2,402'
Fifth Sandstone	2,403'	2,471'
Bayard	2,472'	3,134'
Speechley	3,135'	3,309'
Balltown	3,310'	3,832'
Bradford	3,833'	4,419'
Benson	4,420'	4,809'
Alexander	4,810'	5,004'
Elk	5,005'	5,589'
Rhinestreet	5,590'	6,278'
Sycamore SS	6,279'	6,731'
Burkett	6,732'	6,756'
Tully	6,757'	6,884'
Hamilton	6,885'	6,971'
Marcellus	6,972'	7,049' TVD

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 11/13/2012  
API #: 47-033-05553

Farm name: Matheny, C Norman Matheny & Wandal

Operator Well No.: Hawker Unit 1H

LOCATION: Elevation: 1273

Quadrangle: West Milford

District: Union

County: Harrison

Latitude: 3637 Feet South of 39 Deg. 15 Min. 00 Sec.

Longitude 973 Feet West of 80 Deg. 25 Min. 00 Sec.

Company: Antero Resources Appalachian Corp.

Address: 1625 17th Street	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Denver, CO 80202	20" 94#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13 3/8" 54.5#	490'	490'	681 Cu. Ft. Class A
Inspector: Tristan Jenkins	9 5/8" 36#	2,419'	2,419'	985 Cu. Ft. Class A
Date Permit Issued: 6/8/2011	5 1/2" 20#	15,791'	15,791'	3968 Cu. Ft. Class H
Date Well Work Commenced: 6/10/2011				
Date Well Work Completed: 7/25/2012	2 3/8" 4.7#	6,874'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7030' TVD (deepest point drilled)				
Total Measured Depth (ft): 15,791' MD, 7030' TVD (BHL)				
Fresh Water Depth (ft.): est. 65', 80'				
Salt Water Depth (ft.): 780', 1700', 2390'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): Deepest known coal seam mined at surface				
Void(s) encountered (N/Y) Depth(s) N, N/A				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6932' TVD (Top)

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow 8111 MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure 3200 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

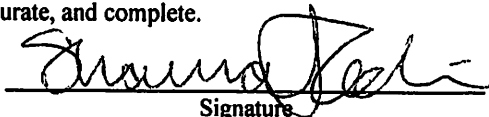
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

  
Signature

11/15/12  
Date

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Were core samples taken? Yes \_\_\_\_\_ No X

Were cuttings caught during drilling? Yes X No \_\_\_\_\_

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes, CBL, Photo Density/  
Compensated Neutron/ Gamma Ray, Dual Laterolog/ Gamma Ray

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7,672' to 15,729' (1548 holes)

Frac'd w/ 11,000 gals 15% HCL Acid, 170,950 bbls Slick Water carrying 838,260# 100 mesh, 3,648,990# 40/70 and 1,968,940# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

Formations Encountered:

<u>Surface:</u>	<u>Top Depth</u>	<u>/</u>	<u>Bottom Depth</u>
Big Lime	1,458'		1,573'
Big Injun	1,574'		1,968'
Fifty Foot Sand	1,969'		2,119'
Gordon	2,120'		2,388'
Fifth Sandstone	2,389'		2,445'
Bayard	2,446'		3,089'
Speechley	3,090'		3,301'
Balltown	3,302'		3,798'
Bradford	3,799'		4,398'
Benson	4,399'		4,707'
Alexander	4,708'		4,924'
Elk	4,925'		6,137'
Sycamore SS	6,138'		6,282'
Sonyea	6,283'		6,472'
Middlesex	6,473'		6,579'
West River	6,580'		6,705'
Burket	6,706'		6,734'
Tully	6,735'		6,855'
Hamilton	6,856'		6,931'
Marcellus	6,932'		7,030' TVD

WR-35  
Rev (9-11)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 11/13/2012  
API #: 47-033-05560

Farm name: C Norman Matheny & Wandal Matheny Operator Well No.: Nelson Unit 2H

LOCATION: Elevation: 1273' Quadrangle: West Milford

District: Union County: Harrison  
Latitude: 3607 Feet South of 39 Deg. 15 Min. 00 Sec.  
Longitude: 973 Feet West of 80 Deg. 25 Min. 00 Sec.

Company: Antero Resources Appalachian Corp

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1625 17th Street Denver, CO 80202	20" 94#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13 3/8" 55#	433'	433'	602 Cu. Ft. Class A
Inspector: Tristan Jenkins	9 5/8" 36#	2,505'	2,505'	1020 Cu. Ft. Class A
Date Permit Issued: 7/11/2011	5 1/2 20#	16,312'	16,312'	4085 Cu. Ft. Class H
Date Well Work Commenced: 12/17/2011				
Date Well Work Completed: 7/1/2012	2 3/8 4.7#	7,360'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7035' TVD (deepest point drilled)				
Total Measured Depth (ft): 16312' MD, 6978' TVD (BHL)				
Fresh Water Depth (ft.): est. 65'				
Salt Water Depth (ft.): est. 815'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): Deepest known coal seam mined at surface				
Void(s) encountered (N/Y) Depth(s) N, N/A				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6996' TVD (Top)

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 3144 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure 3200 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

Shawn Redi  
Signature

11/15/12  
Date

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Were core samples taken? Yes \_\_\_\_\_ No ☒

Were cuttings caught during drilling? Yes \_\_\_\_\_ No ☒

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes, CBL

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-pad (Hawker Unit 1H API# 47-033-05553). Please reference wireline logs submitted with Form WR-35 for Hawker Unit 1H.

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7,425'-16,247' (1794 holes)

Frac'd w/ 13,000 gals 15% HCL Acid, 202,553 bbls Slick Water carrying 1,058,304# 100 mesh, 3,991,846# 40/70 and 2,433,333# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
Big Lime	1,422'	1,535'
Big Injun	1,536'	1,813'
Gantz Sand	1,814'	1,940'
Fifty Foot Sand	1,941'	2,084'
Gordon	2,085'	2,362'
Fifth Sandstone	2,363'	3,062'
Speechley	3,063'	3,276'
Balltown	3,277'	3,772'
Bradford	3,773'	4,375'
Benson	4,376'	4,677'
Alexander	4,678'	4,911'
Elk	4,912'	5,606'
Rhinestreet	5,607'	6,295'
Sycamore SS	6,296'	6,374'
Sonyea	6,375'	6,556'
Middlesex	6,557'	6,661'
West River	6,662'	6,713'
Genundewa	6,714'	6,756'
Burket	6,757'	6,785'
Tully	6,786'	6,908'
Hamilton	6,909'	6,995'
Marcellus	6,996'	7,035' TVD

WR-35  
Rev (9-11)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 11/13/2012  
API #: 47-033-05603

Farm name: Patrick Cunningham Operator Well No.: Plant Unit 1H

LOCATION: Elevation: 1312' Quadrangle: Wolf Summit, WV 7.5'

District: Coal County: Harrison  
Latitude: 2.639 Feet South of 39 Deg. 20 Min. 00 Sec.  
Longitude 10.410 Feet West of 80 Deg. 25 Min. 00 Sec.

Company: Antero Resources Appalachian Corp

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1625 17th Street Denver, CO 80202	20" 94#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 55#	508'	508'	706 Cu. Ft. Class A
Inspector: <u>Tristan Jenkins</u>	9-5/8" 36#	2,420'	2,420'	985 Cu. Ft. Class A
Date Permit Issued: <u>3/26/2012</u>	5-1/2" 20#	13,454'	13,454'	3325 Cu. Ft. Class H
Date Well Work Commenced: <u>4/15/2012</u>				
Date Well Work Completed: <u>7/20/2012</u>	2-3/8" 4.7#	7266'		
Verbal Plugging: <u>N/A</u>				
Date Permission granted on: <u>N/A</u>				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7274' (deepest point drilled)</u>				
Total Measured Depth (ft): <u>13454' MD, 7192' TVD (BHL)</u>				
Fresh Water Depth (ft.): <u>274'</u>				
Salt Water Depth (ft.): <u>est. 1148'</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>est. 136', 168'</u>				
Void(s) encountered (N/Y) Depth(s) <u>N, N/A</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7170' TVD (Top)

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 3772 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure 3300 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

  
Signature

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Date

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ENVIRONMENTAL PROTECTION

Were core samples taken? Yes \_\_\_\_\_ No X

Were cuttings caught during drilling? Yes \_\_\_\_\_ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list CBL

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-pad (Haney Unit 1H API# 47-033-05427). Please reference wireline logs submitted with Form WR-35 for Haney Unit 1H.

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7,390'-13,389' (1056 holes)

Frac'd w/ 8,000 gals 15% HCL Acid, 113,675 bbls Slick Water carrying 614,900# 100 mesh,  
2,282,900# 40/70 and 1,201,100# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

Formations Encountered:	Top Depth	/	Bottom Depth
<u>Surface:</u>			
Sand/silt/shale	0		3,498'
Balltown	3,499'		3,961'
Bradford	3,962'		4,634
Benson	4,635'		4,931
Alexander	4,932'		5,149
Elk	5,150'		5,606
Rhinestreet	5,607'		6,468
Sycamore SS	6,469'		6,919
Burket	6,920'		6,948
Tully	6,949'		7,078
Hamilton	7,079'		7,169
Marcellus	7,170'		7,271'
Onondaga	7,272'		7,274' TVD

Were core samples taken? Yes \_\_\_\_\_ No ☒

Were cuttings caught during drilling? Yes \_\_\_\_\_ No ☒

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list CBL

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Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7,526'-13,271' (984 holes)

Frac'd w/ 7,500 gals 15% HCL Acid, 97,858 bbls Slick Water carrying 511,500# 100 mesh,  
1,981,100# 40/70 and 1,203,500# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

Formations Encountered:	Top Depth	/	Bottom Depth
<u>Surface:</u>			
Sand/silt/shale	0		2,533'
Fifth Sandstone (est.)	2,534'		3,183'
Speechley	3,184'		3,449'
Balltown	3,450'		3,945'
Bradford	3,946'		4,564'
Benson	4,565'		4,822'
Alexander	4,823'		5,032'
Elk	5,033'		5,815'
Rhinestreet	5,816'		6,737'
Sonyea	6,738'		6,917'
Burket	6,918'		6,937'
Tully	6,938'		7,063'
Hamilton	7,064'		7,145'
Marcellus	7,146'		7,265'
Onondaga	7,266'		7,269' TVD